

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

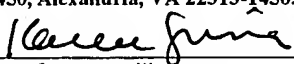
In re:	Patent application of Hui ZHANG <i>et al.</i>	:	
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		:	
		:	
		:	Group Art Unit:
Serial No.:	Not Yet Assigned	:	Not Yet Assigned
		:	
Filed:	Herewith	:	Examiner:
		:	Not Yet Assigned
For:	MULTIMERIZATION OF HIV-1 VIF PROTEIN AS A THERAPEUTIC TARGET		

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, submitted herewith are copies of the references listed below and on the accompanying Form PTO-1449.

<b>CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.10</b>
EXPRESS MAIL Mailing Label Number: <u>EV098987753US</u>
Date of Deposit: <u>October 17, 2003</u>
<p>I hereby certify that this correspondence, along with any paper referred to as being attached or enclosed, and/or fee, is being deposited with the United States Postal Service, "EXPRESS MAIL-POST OFFICE TO ADDRESSEE" service under 37 CFR 1.10, on the date indicated above, and addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p>
 _____ Signature of person mailing page:
KAREN M. SPINA Type or print name of person

This statement is being filed concurrently with the filing of the above-referenced application. No fee should be due for the filing of this statement.

The Examiner is respectfully requested to review the references identified herein and make them of record in the instant application as required by M.P.E.P. §609.

The references listed in this IDS comprise the most pertinent prior art known to applicant and its attorneys as of the date hereof. This IDS should not be construed as a representation that the cited references are material or that no better art exists.

It is requested that the Examiner initial the enclosed duplicate substitute PTO Form 1449, and return one copy to Applicants' undersigned representative with the next action.

Respectfully submitted,  
HUI ZHANG, *et al.*



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SUBSTITUTE FORM PTO-1449  
U.S. DEPARTMENT OF COMMERCE  
U.S. PATENT AND TRADEMARK OFFICE

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTY. DOCKET NO.  
08321-0082 DI2

APPLICATION NUMBER  
Not yet assigned

FIRST NAMED INVENTOR

Hui ZHANG, *et al.*

FILING DATE  
Herewith

ART UNIT  
Not yet assigned

### U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	DOCUMENT NUMBER	PUBLICATION DATE (MM/DD/YYYY)	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
		Number-Kind Code (if known)			

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No.	FOREIGN PATENT DOCUMENT	PUBLICATION DATE (MM/DD/YYYY)	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR	T
		Country Code-Number- Kind Code (if known)				
	A	WO02/081504 A3	10/17/2002	Thomas Jefferson University		
	B	WO98/52970 A1	11/26/1998	St. Luke's-Roosevelt Hospital		
	C	WO95/05851 A1	03/02/1995	St. Luke's-Roosevelt Hospital		
	D	EP 0959136 A1	11/24/1999	Introgene B.V.		
	E	EP 0330359 A2	08/30/1989	Bio-Rad Laboratories, Inc.		

### NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Publisher, city and/or country where published	T
	F	CHOPPIN J ET AL.: "Analysis of Physical Interactions between Peptides and HLA Molecules and Application to the Detection of Human Immunodeficiency Virus 1 Antigenic Peptides", JOURNAL OF EXPERIMENTAL MEDICINE, Vol. 172, September 1990, pages 889-899	
	G	FRIEDLER ET AL.: "Peptides Derived from HIV-1 Vif: A Non-substrate Based Novel Type of HIV-1 Protease Inhibitors", JOURNAL OF MOLECULAR BIOLOGY, Vol. 287, 1999, pages 93-101	
	H	JIN X ET AL.: "Identification of Subdominant Cytotoxic T Lymphocyte Epitopes Encoded by Autologous HIV Type 1 Sequences, Using Dendritic Cell Stimulation and Computer-Driven Algorithm" AIDS RESEARCH AND HUMAN RETROVIRUSES, Vol. 16, No. 1, January 2000	
EXAMINER SIGNATURE		DATE CONSIDERED	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE U.S. PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	ATTY. DOCKET NO. <b>08321-0032 DI2</b>	APPLICATION NUMBER <b>Not yet assigned</b>
	FIRST NAMED INVENTOR  <b>Hui ZHANG, et al.</b>	
	FILING DATE <b>Herewith</b>	ART UNIT <b>Not yet assigned</b>

### NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Publisher, city and/or country where published	T
	I	YANG S ET AL.: "The Multimerization of Human Immunodeficiency Virus Type 1 Vif Protein", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 276, No. 7, 8 November 2000, pages 4889-4893	
	J	ZHANG, HUI ET AL.: "Human Immunodeficiency Virus Type 1 Vif Protein Is an Integral Component of an MrNP Complex of Viral RNA and Could Be Involved in the Viral RNA Folding and Packaging Process", JOURNAL OF VIROLOGY, Sept. 2000, p. 8252-8261	
	K	GUY ET AL.: "A specific inhibitor of cysteine proteases impairs a Vif-dependent modification of human immunodeficiency virus type 1 Env protein", JOURNAL OF VIROLOGY, Vol. 65, No. 3 (March 1991), pp. 1325-31 (abstract only)	
	L	YANG, ET AL.: "Mitogen-activated Protein Kinase Phosphorylates and Regulates the HIV-1 Vif Protein", <i>The Journal of Biological Chemistry</i> , Vol. 273, No. 45, Issue of November 6, 1998 pp. 29879-29887	
	M	SIMON, JAMES H.M., ET AL.: "Mutational Analysis of the Human Immunodeficiency Virus Type 1 Vif Protein", <i>Journal of Virology</i> , Vol. 73, No. 4, Apr. 1999, pp. 2675-2681	
	N	HUVENT, ISABELLE, ET AL.: "Interaction and co-encapsidation of human immunodeficiency virus type 1 Gag and Vif recombinant proteins" <i>Journal of General Virology</i> , Vol. 79, pp. 1069-1081 (1998)	
	O	GONCALVES, JOAO, ET AL.: "Biological Activity of Human Immunodeficiency Virus Type 1 Vif Requires Membrane Targeting by C-Terminal Basic Domains", <i>Journal of Virology</i> , Vol. 69, No. 11, Nov. 1995, pp. 7196-7204	
	P	BOUYAC, MICHELE, ET AL.: "Human Immunodeficiency Virus Type 1 Vif Protein Binds to the Pr55 <sup>Gag</sup> Precursor", <i>Journal of Virology</i> , Vol. 71, No. 12, Dec. 1997, pp. 9358-9365	
EXAMINER SIGNATURE		DATE CONSIDERED	

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